



## ESY-G1

DSP Based Single Channel ECG Machine

### Key Features

- ✓ Rock Steady Base Line
- ✓ Easy loading operations
- ✓ Full frequency response of 0.05 to 150Hz.
- ✓ Parameter display on LCD.
- ✓ Compact, light weight, portable and easy to use.
- ✓ Maintenance free digital thermal array printer.
- ✓ Feather touch key operation.
- ✓ In built rechargeable battery with charger.
- ✓ Automatic and manual modes.

# Technical Specifications

## Dimension and Weight

Dimensions	: 211 L X 161 W X 66 H
Weight	: 1.5 kg (With Battery)

## Environmental

Operating Temp	: -5 °C to +50 °C
Operating & Storage Humidity	: up to 95 % non-condensing

## Performance

Display	: 16 X 2 alphanumeric blue LCD display with backlit
Language	: English
Printout	: ECG trace, Gain, Paper speed, Lead marking and calibration pulse
Recording format	: Auto and manual
Writing device	: Electronic thermal array printer
Recording length	: Auto2 - 2 sec I lead (factory set- Auto format) Auto3 - 3 sec I lead Auto4 - 4 sec I lead
Recording paper	: Thermal, 50mm, 20mtrs

## Power Supply

Input	: 150 - 260 VAC, 50 Hz, 1 Ø.
Output	: 18V DC @ 1.2 A.
Battery	: 11.1 V /2.6 Ah, Rechargeable
Power consumption	: < 20 Watts
Charging Time	: 12 hours approximately for fully discharge battery

## ECG

Frequency response	: 0.05 to 150 Hz with notch at 50 Hz
Input impedance	: 10 M ohm
Time constant	: > 3.2 sec
A/D conversion	: 12 bit
Noise	: < 20 $\mu$ V <sub>p-p</sub>
Leakage current	: < 10 $\mu$ A
CMRR	: > 120 dB
Patient isolation	: Optical isolation
Lead selection	: Standard 12 leads
Gain	: 5, 10 & 20 mm/mV
Sweep speed	: 25.0, 50.0 mm/S
Protection	: Resistant to Defibrillator



[Click Here For Technical Specification](#)



\*Due to our continuous product development program, the specifications may change without prior notice.

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